

METHOD OF ACCESSING DATA OF A COMPUTER SYSTEM

Abstract

A method for accessing data in a computer system. The computer system has a first memory, a second memory, an address decoder, a digital signal processing cell, a demultiplexer, a multiplexer, and a cache memory. The cache memory includes a tag for storing an address. The method includes controlling the demultiplexer with the address decoder according to an address signal generated by the digital signal processing cell to transmit the address signal either to the cache memory or to the second memory via the demultiplexer, and controlling the multiplexer with the address decoder according to the address signal to control the digital signal processing cell to receive data transmitted either from the cache memory or from the second memory via the multiplexer.